

a1 (b) an electrical lead for connection to a data-output terminal, the electrical lead comprising one of the integrated individually conductive fibers.

3. (Amended) The fabric-based sensor of claim 1, wherein the individually conductive fibers of the fabric are knitted.

4. (Amended) The fabric-based sensor of claim 2, wherein the individually conductive fibers of the fabric are woven.

Please add the following new claims:

a2 13. (New) A method for monitoring the vital signs or other electrical impulses of a subject comprising applying the fabric-based sensor of claim 1 to the subject and connecting the data-output terminal to a wearable motherboard, wherein the wearable motherboard is a fabric comprising: a comfort component serving as the base of the fabric; and an information infrastructure component integrated within said comfort component to form the fabric, the information infrastructure component being selected from the group consisting of, individually or in any combination, a penetration detection component and an insulated electrical conductive component comprising one or more individually insulated conductive fibers.

14. (New) A fabric-based sensor for transmitting electrical impulses or other vital signs comprising:

(a) a conductive fabric of one or more integrated individually conductive fibers and non-conductive fibers;

(b) an electrical lead for connection to a data-output terminal, the electrical lead comprising one of the integrated individually conductive fibers.

15. (New) The fabric-based sensor of claim 14, further comprising a conductive paste between the fiber and the data-output terminal.

16. (New) The fabric-based sensor of claim 14, wherein the individually conductive fibers of the fabric are knitted.

17. (New) The fabric-based sensor of claim 15, wherein the individually conductive fibers of the fabric are knitted.

18. (New) The fabric-based sensor of claim 14, wherein the individually conductive fibers of the fabric are woven.

19. (New) The fabric-based sensor of claim 15, wherein the individually conductive fibers of the fabric are woven.

20. (New) The fabric-based sensor of claim 14, wherein the data-output terminal is a snap connector.

21. (New) The fabric-based sensor of claim 15, wherein the data-output terminal is a snap connector.

22. (New) A garment comprising at least one fabric-based sensor of claim 14.

23. (New) A garment comprising at least one fabric-based sensor of claim 15.

24. (New) A method for monitoring the vital signs or other electrical impulses of a subject comprising applying the fabric-based sensor of claim 14 to the subject and connecting the data-output terminal to a monitor.

25. (New) A method for monitoring the vital signs or other electrical impulses of a subject comprising applying the fabric-based sensor of claim 15 to the subject and connecting the data-output terminal to a monitor.

26. (New) A method for monitoring the vital signs or other electrical impulses of a subject comprising applying the fabric-based sensor of claim 14 to the subject and connecting the data-output terminal to a wearable motherboard, wherein the wearable motherboard is a fabric comprising: a comfort component serving as the base of the fabric; and an information infrastructure component integrated within said comfort component to form the fabric, the information infrastructure component being selected from the group consisting of, individually or in any combination, a penetration detection component and an insulated electrical conductive component comprising one or more individually insulated conductive fibers.

27. (New) A method for monitoring the vital signs or other electrical impulses of a subject comprising applying the fabric-based sensor of claim 15 to the subject and connecting the data-output terminal to a wearable motherboard, wherein the wearable motherboard is a fabric comprising: a comfort component serving as the base of the fabric; and an information infrastructure component integrated within said comfort component to form the fabric, the information infrastructure component being selected from the group consisting of, individually or in any combination, a penetration detection component and an insulated electrical conductive component comprising one or more individually insulated conductive fibers.

28. (New) A method for delivering an electrical impulse to a subject comprising applying the fabric-based sensor of claim 1 to the subject, connecting the data-output terminal to an impulse-delivering device, and delivering the impulse through the fabric-based sensor.

29. (New) A method for delivering an electrical impulse to a subject comprising applying the fabric-based sensor of claim 2 to the subject, connecting the data-output terminal to an impulse-delivering device, and delivering the impulse through the fabric-based sensor.

30. (New) A method for delivering an electrical impulse to a subject comprising applying the fabric-based sensor of claim 14 to the subject, connecting the data-output terminal to an impulse-delivering device, and delivering the impulse through the fabric-based sensor.

31. (New) A method for delivering an electrical impulse to a subject comprising applying the fabric-based sensor of claim 15 to the subject, connecting the data-output terminal to an impulse-delivering device, and delivering the impulse through the fabric-based sensor.

32. (New) The fabric-based sensor of claim 2, wherein the individually conductive fibers of the fabric are knitted.

33. (New) The fabric-based sensor of claim 1, wherein the individually conductive fibers of fabric are woven.

Remarks

Claims 1-33 are pending in this application. Claims 1, 3-4 have been amended. New claims 13-33 have been added. Support for the amendments and the new claims can be found in the specification as follows:

- "individually conductive fibers" (claim 1 et seq.): table on page 6, line 3
- "one or more" (claim 1): throughout the specification, such as at page 6, line 19
- connection to wearable motherboard (claims 13 et seq.): page 2, paragraph 2, wherein co-pending U.S.S.N. 09/273,175 (now U.S. Patent No. 6,381,482) is incorporated by reference; and page 3, lines 17-18
- delivery of impulse to subject/sensor (claim 22): pages 6-7.

The Examiner rejected claims 1, 3, 5, 7, 9, and 11 under 35 USC 102(b) as being anticipated by Flick, U.S. Patent No. 5,374,283. The Examiner notes that Flick discloses an electrode fabric/garment device comprising (as explained in column 2, lines 50-66) conductive